

CLAIMS

What is claimed is:

1. A refrigerator having a main body formed with storing compartments, and doors to open and close openings of the respective storing compartments in a first side of the main body, the refrigerator comprising:

a box accommodating part concaved from the first side of the main body; and
an electric component box, which is drawn in and out of the box accommodating part, and includes electric components.

2. The refrigerator according to claim 1, wherein the box accommodating part is provided in a lower part of the main body.

3. The refrigerator according to claim 2, further comprising:
a box supporting bracket provided in the box accommodating part and supporting the electric component box, so that the electric component box is drawn in and out of the box accommodating part.

4. The refrigerator according to claim 3, wherein:
the electric component box comprises projection parts, provided in opposite ends of the electric component box; and
the box supporting bracket comprises guide parts accommodating and guiding the projection parts.

5. The refrigerator according to claim 2, wherein the electric component box comprises:
a case having an accommodating space, in which to mount the electric components, with a top of the case being open; and
a cover engaged to the top of the case.

6. The refrigerator according to claim 5, wherein the case comprises:
a component mounting part having the accommodating space, in which to mount the electric components; and
a drainage part provided adjacent to the component mounting part and having at least one drainage passage.

7. The refrigerator according to claim 6, wherein:
the cover covers the component mounting part; and
at least one concavity, positioned in an upper part of the cover, defines a drainage way.

8. The refrigerator according to claim 6, wherein:
the case further comprises a partition wall provided between the component mounting part and the drainage part; and
the cover further comprises a partition wall accommodating part to accommodate the partition wall and prevent water leakage from the drainage part to the component mounting part.

9. The refrigerator according to claim 8, wherein:
the partition wall and the partition wall accommodating part have screw holes; and
the cover is engaged to the case by screwing screws into the respective screw holes, the partition wall accommodating part being engaged with the partition wall.

10. The refrigerator according to claim 3, wherein the electric component box comprises:
a case having an accommodating space, in which to mount the electric components, with a top of the case being open; and
a cover engaged to the top of the case.

11. The refrigerator according to claim 10, wherein the case comprises:
a component mounting part having the accommodating space, in which to mount the electric components; and
a drainage part provided adjacent to the component mounting part and having at least one drainage passage.

12. The refrigerator according to claim 11, wherein:
the cover covers the component mounting part; and
at least one concavity, positioned in an upper part of the cover, defines a drainage way.

13. The refrigerator according to claim 11, wherein:
the case further comprises a partition wall provided between the component mounting part and the drainage part; and
the cover further comprises a partition wall accommodating part to accommodate the partition wall and prevent a water leakage from the drainage part to the component mounting part.

14. The refrigerator according to claim 13, wherein:
the partition wall and the partition wall accommodating part have screw holes; and
the cover is engaged to the case by screwing screws into the respective screw holes, the partition wall accommodating part being engaged with the partition wall.

15. A refrigerator, comprising:
a main body;
a storing compartment provided in the main body;
a door opening and closing the storing compartment;
an electric component box that moves in and out of the main body, to provide access thereto.

16. The refrigerator according to claim 15, wherein the electric component box comprises:
a case to house electric components; and
a cover, to cover the electric components.

17. The refrigerator according to claim 16, wherein:
the cover comprises projection parts; and
the main body comprises a box supporting bracket with guide parts, that engage and guide the projection parts, to move the electric box in and out of the main body.

18. The refrigerator according to claim 16, wherein the case comprises:
a component mounting part, to house the electric components; and
a drainage part with a drainage passage, to drain condensation from the electric component box.

19. The refrigerator according to claim 18, wherein the cover comprises:
a drainage way, recessed into the cover, to collect the condensation and direct the condensation to the drainage part.

20. The refrigerator according to claim 18, wherein the case comprises:
a partition wall, separating the component mounting part and the drainage part, to prevent the condensation from entering the component mounting part.

21. The refrigerator according to claim 20, wherein the cover comprises a partition wall accommodating part accommodating a first end of the partition wall, to prevent the condensation from entering the component mounting part.

22. An apparatus, comprising:
a main body having first and second openings on a first side thereof;
a refrigerated compartment, provided in the first opening;
an electric component box that moves in and out of the second opening, providing access thereto.